

Title (en)

M HYO MULTIVALENT VACCINE AND USES THEREOF

Title (de)

POLYVALENTER M-HYO-IMPfstoff und Verwendungen davon

Title (fr)

Vaccin multivalent contre M. hyo et ses utilisations

Publication

**EP 3397279 A1 20181107 (EN)**

Application

**EP 16820125 A 20161214**

Priority

- US 201562272017 P 20151228
- US 2016066481 W 20161214

Abstract (en)

[origin: US2017182141A1] The present invention relates to compositions or vaccines for combating Mycoplasma hyopneumoniae (M hyo), Porcine Circovirus type 2 (PCV2), and Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) infections in animals and for increasing the ability of pigs to gain weight and/or improve death loss, methods of vaccination against the infections, and kits for use with such methods and compositions.

IPC 8 full level

**A61K 39/02** (2006.01); **A61K 39/12** (2006.01)

CPC (source: EP KR US)

**A61K 39/0241** (2013.01 - EP KR US); **A61K 39/12** (2013.01 - EP KR US); **A61P 31/00** (2017.12 - EP KR); **A61P 31/12** (2017.12 - EP); **A61P 31/14** (2017.12 - EP); **A61P 31/20** (2017.12 - EP); **A61P 33/02** (2017.12 - EP); **C12N 7/00** (2013.01 - US); **A61K 2039/5252** (2013.01 - EP KR US); **A61K 2039/545** (2013.01 - KR US); **A61K 2039/552** (2013.01 - EP KR US); **A61K 2039/55505** (2013.01 - US); **A61K 2039/55566** (2013.01 - EP KR US); **A61K 2039/70** (2013.01 - EP KR US); **C12N 2750/10011** (2013.01 - EP US); **C12N 2750/10034** (2013.01 - KR US); **C12N 2770/10034** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2017116698A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**US 2017182141 A1 20170629**; AU 2016380864 A1 20180719; AU 2016380864 B2 20191031; CA 3009656 A1 20170706; CN 108601824 A 20180928; EP 3397279 A1 20181107; JP 2019501180 A 20190117; JP 6839714 B2 20210310; KR 102166196 B1 20201015; KR 20180096786 A 20180829; MA 43517 A 20181107; MX 2018007950 A 20180921; MY 191905 A 20220718; NZ 743977 A 20200131; PH 12018501368 A1 20190218; RU 2018127403 A 20200130; RU 2018127403 A3 20200130; RU 2021112503 A 20210505; SG 11201805379Q A 20180730; US 2024024448 A1 20240125; WO 2017116698 A1 20170706

DOCDB simple family (application)

**US 201615378165 A 20161214**; AU 2016380864 A 20161214; CA 3009656 A 20161214; CN 201680080280 A 20161214; EP 16820125 A 20161214; JP 2018534139 A 20161214; KR 20187021708 A 20161214; MA 43517 A 20161214; MX 2018007950 A 20161214; MY PI2018001113 A 20161214; NZ 74397716 A 20161214; PH 12018501368 A 20180625; RU 2018127403 A 20161214; RU 2021112503 A 20161214; SG 11201805379Q A 20161214; US 2016066481 W 20161214; US 202318343081 A 20230628